

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 252312007300

Application Number 09/590,592

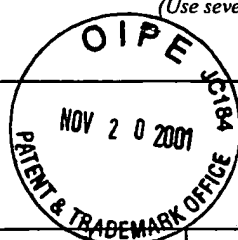
Applicant

David S. JONES, et. al.

Filing Date: June 8, 2000

Group Art Unit 1653

Mailing Date: November 14, 2001



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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
<i>DL</i>	1.	02/08/2000	6,022,544	Dintzis et al.	424	193.1	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
<i>DL</i>	2.	08/06/1998	WO 98/33528	WIPO			
<i>DL</i>	3.	10/29/1998	WO 98/47915	WIPO			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
<i>DL</i>	4.	Galili et al. (1988) "Man, apes, and old world monkeys differ from other mammals in the expression of α -galactosyl epitopes on nucleated cells" <i>J. Biol. Chem.</i> 263:17755-17762.
<i>DL</i>	5.	Galili, Uri (1998) "Anti-gal antibody prevents xenotransplantation" <i>Science and Medicine</i> 5:28-37.

EXAMINER:

David Little

DATE CONSIDERED:

8/6/02

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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Sheet 1 of 4

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 252312007300	Application Number 09/590,592 MAY 21 2002
	Applicant David S. JONES, et al. TECH CENTER 1600/2900	
	Filing Date June 8, 2000	Group Art Unit 1653
	Hand Delivery Date: May 20, 2002 RECEIVED	

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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	01/13/1981	4,245,110	Engelhard et al.	536	27	560-160
	2.	11/10/1992	5,162,515	Conrad et al.	536	27	
	3.	12/07/1993	5,268,454	Barstad et al.	530	403	
	4.	12/28/1993	5,274,123	Deruelle et al.	544	34	
	5.	02/21/1995	5,391,785	Jones et al.	552	105	
	6.	09/03/1996	5,552,391	Coutts et al.	514	44	
	7.	05/27/1997	5,633,395	Coutts et al.	558	159	
	8.	09/02/1997	5,663,395	Gobel et al.	556	427	
	9.	10/07/1997	5,674,911	Emanuele et al.	514	723	
	10.	11/25/1997	5,691,387	Emanuele et al.	514	723	
	11.	12/16/1997	5,698,664	Allcock et al.	528	399	
	12.	03/10/1998	5,726,329	Jones et al.	552	105	
	13.	07/28/1998	5,786,512	Jones et al.	568	22	
	14.	12/01/1998	5,844,056	Kennedy et al.	526	348,7	
	15.	02/23/1999	5,874,552	Jones et al.	536	22.1	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
<div>↓</div>	16.	10/09/1975	DE 24 12 217 A1	Germany	_____	_____	Abstract	
	17.	08/17/1988	EP 0 278 621 A1	Europe	_____	_____		
	18.	01/10/1991	WO 91/00293	WIPO	_____	_____		
	19.	01/23/1992	WO 92/00975	WIPO	_____	_____	Abstract	
	20.	04/16/1992	WO 92/05897	WIPO	_____	_____		
	21.	02/04/1993	WO 93/02093 A1	WIPO	_____	_____		
	22.	05/11/1994	WO 94/10031	WIPO	_____	_____		

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David L. Jones

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	23.	03/15/1995	EP 0 642 798 A2, A3	Europe				
	24.	03/16/1995	WO 95/07073 A1	WIPO				
	25.	03/20/1997	WO 97/10075	WIPO				
	26.	02/04/1999	WO 99/05333	WIPO				Abstract
	27.	03/18/1999	WO 99/13194	WIPO				
	28.	04/08/1999	EP 0 933 440 A1	Europe				
	29.	06/17/1999	WO 99/29336 A1	WIPO				
	30.	06/17/1999	WO 99/29338 A1	WIPO				
	31.	09/23/1999	WO 99/47494 A1	WIPO				
	32.	12/16/1999	WO 99/64595 A	WIPO				
	33.	06/15/1900	WO 00/34231 A1	WIPO				
	34.	06/15/1900	WO 00/34296 A2	WIPO				

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(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	35.	Ashton, P.R.. et al. (1996). "Amino Acid Derivatives of β -Cyclodextrin," <i>J. Org. Chem.</i> 61: 903-908.
	36.	Bordunov, A. V. et al. (1995). "Synthesis of New Pyridinoazacrown Ethers Containing Aromatic and Heteroaromatic Proton Ionizable Substituents," <i>J. Org. Chem.</i> 60: 6097-6102.
	37.	Choi, J. S. et al. (1999). "Poly(ethylene glycol)- <i>block</i> -poly(L-lysine) Dendrimer: Novel Linear Polymer/Dendrimer Block Copolymer Forming a Spherical Water-Soluble Polyionic Complex with DNA," <i>Bioconjug Chem</i> 10(1): 62-65.
	38.	Choi, J. S. et al. (2000) "Synthesis of a Barbell-like Triblock Copolymer, Poly(L-lysine) Dendrimer- <i>block</i> -Poly(ethylene glycol)- <i>block</i> -Poly(L-lysine) Dendrimer, and Its Self Assembly with Plasmid DNA," <i>J. Am. Chem. Soc.</i> 122(3): 474-480.
	39.	Duncan, R. (1985). "Biological Effects of Soluble Synthetic Polymers as Drug Carriers," <i>CRC Critical Reviews in Therapeutic Drug Carrier Systems</i> . 1(4): 281-310.
	40.	Duncan R. and Spreafico, F. (1994). "Polymer Conjugates: Pharmacokinetic Considerations for Design and Development," <i>Clin. Pharmacokinet, Drug Delivery Systems</i> 27(4): 290-306.
	41.	English Abstract of Efimov, V.A. et al. (1993). "Synthesis of Polyethylene Glycol-Oligonucleotide Conjugates," <i>Bioorg. Khim.</i> , 19(8):800-804.
	42.	Eisenbach, C. D. and Heinemann, T. (1995). "Thermoplastic Graft Copolymer Elastomers with Chain-Folding or Bifurcated Side Chains," <i>Macromol. Chem. Phys.</i> 196(8):2669-2686.

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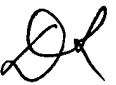
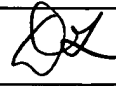

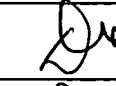
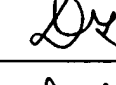
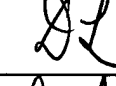

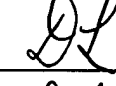
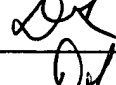
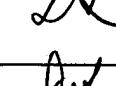
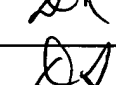
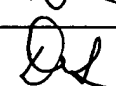

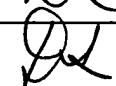
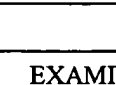
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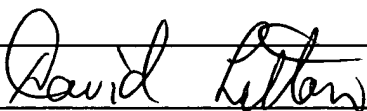
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	43.	Eisenbach, C. D. and Heinemann, T. (March 1995). "Synthesis and Characterization of Thermoplastic Graft Copolymer Elastomers with a Polyether Main Chain and Uniform Urethane-Based Side Chains," <i>Macromolecules</i> 28(7):2133-2139.
	44.	Fischer, M. and Vögtle, F. (1999). "Dendrimers: From Design to Application- A Progress Report," <i>Angew. Chem. Int. Ed.</i> 38:885-905.
	45.	Gadelle, A. and Defaye, J. (1991). "Selective Halogenation at Primary Positions of Cyclomaltooligosaccharides and a Synthesis of Per-3, 6-Anhydro Cyclomaltooligosaccharides," <i>Angew. Chem. Int. Ed. Engl.</i> 30(1):78-80.
	46.	Gitsov, I. et al. (1992). "Novel Polyether Copolymers Consisting of Linear and Dendritic Blocks," <i>Angew. Chem. Int. Ed. Engl.</i> 31(9): 1200-1202.
	47.	Huang, S. et al. (1998). "A Polyethylene Glycol Copolymer for Carrying and Releasing Multiple Copies of Cysteine-Containing Peptides," <i>Bioconjug Chem</i> 9(5): 612-617.
	48.	Jones, D. S. et al. (1994). "Conjugates of Double-Stranded Oligonucleotides with Poly(ethylene glycol) and Keyhole Limpet Hemocyanin: A Model for Treating Systemic Lupus Erythematosus," <i>Bioconjug Chem</i> 5(5): 390-399.
	49.	Jones, D. S. et al. (1995). "Immunospecific Reduction of Antioligonucleotide Antibody-Forming Cells with a Tetrakis-Oligonucleotide Conjugate (LJP 394), a Therapeutic Candidate for the Treatment of Lupus Nephritis," <i>J. Med. Chem.</i> 38(12): 2138-2144.
	50.	Jones, D. S. et al. (2000) "A Convenient Synthesis of N-(tert-butyloxycarbonyl) Aminooxy Ethers," <i>Tetrahedron Letters</i> 41: 1531-1533.
	51.	Kono, K. et al. (Nov/Dec 1999). "Design of Dendritic Macromolecules Containing Folate or Methotrexate Residues," <i>Bioconjug Chem</i> 10(6): 1115-1121.
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	54.	Mitchell, J. P. et al. (1999) "A Direct Method for the Formation of Peptide and Carbohydrate Dendrimers," <i>Bioorganic & Medicinal Chemistry Letters</i> 9:2785-2788.
	55.	Pechar, M. et al. (March/April 2000) "Poly(ethylene glycol) Multiblock Copolymer as a Carrier of Anti-Cancer Drug Doxorubicin," <i>Bioconjug. Chem.</i> 11(2): 131-139.
	56.	Savva M. et al. (1999). "A Genetically Modified Recombinant Tumor Necrosis Factor- α Conjugated to the Distal Terminals of Liposomal Surface Grafted Polyethyleneglycol Chains," <i>Int J Pharm</i> 184: 45-51.
	57.	Talarico T. et al. (2000). "Chemical Characterization of Pyridoxalated Hemoglobin polyoxyethylene conjugate," <i>Biochimica Biophysica Acta</i> 1476: 53-65.

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<i>OK</i>	58.	Taylor, R.T. and Puapaboon, U. (1998) "Polyurethane Dendrimers via Curtius Reaction" <i>Tetrahedron Lett.</i> 39:8005-8008.
<i>OK</i>	59.	Veronese, F.M. and Mor Purgo, M. (1999). "Bioconjugation in Pharmaceutical Chemistry," <i>II Farmaco</i> 54:497-516.
<i>OK</i>	60.	Webb, M. S. et al. (1998). "Comparison of Different Hydrophobic Anchors Conjugated to Poly(ethylene glycol): Effects on the Pharmacokinetics of Liposomal Vincristine," <i>Biochimica Biophysica Acta</i> 1372:272-282.

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EXAMINER: <i>David L. Latta</i>	DATE CONSIDERED: <i>8/6/02</i>
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Application Number 09/590,592

Applicant

David S. JONES, et al.

Filing Date: June 8, 2000

Group Art Unit 1653

Mailing Date: July 11, 2002

U.S. PATENT DOCUMENTS

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DK	1.	03/26/2002	6,362,254 B2	Harris et al.	523	406	

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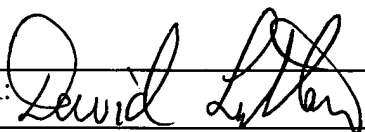
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

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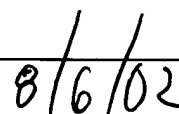
(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
DK	2.	Jones, D. et al., (May-June 1999) "Multivalent thioether-peptide conjugates: B cell tolerance of an anti-peptide immune response" <i>Bioconjugate Chemistry</i> 10(3):480-488.

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